

NIH290.001C1 SEQLIST.TXT SEQUENCE LISTING

<110> Narum, David L. Sim, Kim L.

<120> ANTI-PLASMODIUM COMPOSITIONS AND METHODS OF USE

<130> NIH290.001C1

<140> US 10/630,629

<141> 2003-07-29

<150> US 09/924,154

<151> 2001-08-07

<150> US 60/223,525

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NIH290.001C1 SEQLIST.TXT 260 265 Tyr Lys Glu Lys Asn Val Glu Lys Leu Asn Asn Ile Lys Lys Glu Trp 275 280 285 Trp Glu Lys Asn Lys Ala Asn Leu Trp Asn His Met Ile Val Asn His 290 295 300 Lys Gly Asn Ile Ser Lys Glu Cys Ala Ile Ile Pro Ala Glu Glu Pro 305 310 315 320 Gln Ile Asn Leu Trp Ile Lys Glu Trp Asn Glu Asn Phe Leu Met Glu 330 Lys Lys Arg Leu Phe Leu Asn Ile Lys Asp Lys Cys Val Glu Asn Lys 340 . _ _ 345 350 Lys Tyr Glu Ala Cys Phe Gly Gly Cys Arg Leu Pro Cys Ser Ser Tyr 355 360 365 Thr Ser Phe Met Lys Lys Ser Lys Thr Gln Met Glu Val Leu Thr Asn 370 375 380 . Leu Tyr Lys Lys Lys Asn Ser Gly Val Asp Lys Asn Asn Phe Leu Asn 385 390 395 400 Asp Leu Phe Lys Lys Asn Asn Lys Asn Asp Leu Asp Asp Phe Phe Lys 405 410 415 Asn Glu Lys Glu Tyr Asp Asp Leu Cys Asp Cys Arg Tyr Thr Ala Thr 420 425 430 420 Ile Ile Lys Ser Phe Leu Asn Gly Pro Ala Lys Asn Asp Val Asp Ile 435 _ 440 445 Ala Ser Gln Ile Asn Val Asn Asp Leu Arg Gly Phe Gly Cys Asn Tyr 450 455 460 Lys Ser Asn Asn Glu Lys Ser Trp Asn Cys Thr Gly Thr Phe Thr Asn 465 470 475 480 Lys Phe Pro Gly Thr Cys Glu Pro Pro Arg Arg Gln Thr Leu Cys Leu 485 490 495 Gly Arg Thr Tyr Leu Leu His Arg Gly His Glu Glu Asp Tyr Lys Glu
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NIH290.001C1 SEQLIST.TXT Ser Asp Thr Phe Gly Asp Gly Thr Pro Ile Ser Ile Asn Ala Asn Ile 770 775 780 Asn Glu Gln Gln Ser Gly Lys Asp Thr Ser Asn Thr Gly Asn Ser Glu 785 790 795 800 785 Thr Ser Asp Ser Pro Val Ser His Glu Pro Glu Ser Asp Ala Ala Ile 805 810 815 Asn Val Glu Lys Leu Ser Gly Asp Glu Ser Ser Ser Glu Thr Arg Gly Ile Leu Asp Ile Asn Asp Pro Ser Val Thr Asn Asn Val Asn Glu Val 840 845 835 His Asp Ala Ser Asn Thr Gln Gly Ser Val Ser Asn Thr Ser Asp Ile 855 850 Thr Asn Gly His Ser Glu Ser Ser Leu Asn Arg Thr Thr Asn Ala Gln 865 870 875 880 870 Asp Ile Lys Ile Gly Arg Ser Gly Asn Glu Gln Ser Asp Asn Gln Glu 885 890 895 Asn Ser Ser His Ser Ser Asp Asn Ser Gly Ser Leu Thr Ile Gly Gln 910 900 905 Val Pro Ser Glu Asp Asn Thr Gln Asn Thr Tyr Asp Ser Gln Asn Pro 915 920 925 His Arg Asp Thr Pro Asn Ala Leu Ala Ser Leu Pro Ser Asp Asp Lys 930 935 940 Ile Asn Glu Ile Glu Gly Phe Asp Ser Ser Arg Asp Ser Glu Asn Gly 945 950 955 960 Arg Gly Asp Thr Thr Ser Asn Thr His Asp Val Arg Arg Thr Asn Ile 965 970 975 970 Val Ser Glu Arg Arg Val Asn Ser His Asp Phe Ile Arg Asn Gly Met 985 990. 980 Ala Asn Asn Asn Ala His His Gln Tyr Ile Thr Gln Ile Glu Asn Asn 1000 1005 995 Gly Ile Ile Arg Gly Gln Glu Glu Ser Ala Gly Asn Ser Val Asn Tyr 1020 1015 1010 Lys Asp Asn Pro Lys Arg Ser Asn Phe Ser Ser Glu Asn Asp His Lys 1035 1030 Lys Asn Ile Gln Glu Tyr Asn Ser Arg Asp Thr Lys Arg Val Arg Glu 1050 1055 1045 Glu Ile Ile Lys Leu Ser Lys Gln Asn Lys Cys Asn Asn Glu Tyr Ser 1065 1070 1060 Met Glu Tyr Cys Thr Tyr Ser Asp Glu Arg Asn Ser Ser Pro Gly Pro 1075 1080 1085 Cys Ser Arg Glu Glu Arg Lys Lys Leu Cys Cys Gln Ile Ser Asp Tyr 1090 1095 1100 Cys Leu Lys Tyr Phe Asn Phe Tyr Ser Ile Glu Tyr Tyr Asn Cys Ile 1115 1110 1120 Lys Ser Glu Ile Lys Ser Pro Glu Tyr Lys Cys Phe Lys Ser Glu Gly
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530 _ _ 535 540 Leu Glu Lys Ile Cys Glu Asn Lys Asn Cys Ser Glu Lys Lys Cys 550 Page 4

NIH290.001C1 SEQLIST.TXT Asn Ala Cys Ser Ser Tyr Glu Lys Trp Ile Lys Glu Arg Lys Asn Glu Tyr Asn Leu Gln Ser Lys Lys Phe Asp Ser Asp Lys Lys Leu Asn Lys 580 585 _ 590 Lys Asn Asn Leu Tyr Asn Lys Phe Glu Asp Ser Lys Ala Tyr Leu Arg Ser Glu Ser Lys Gln Cys Ser Asn Ile Glu Phe Asn Asp Glu Thr Phe Thr Phe Pro Asn Lys Tyr Lys Glu Ala Cys Met Val Cys Glu Asn Pro Ser Ser Ser Lys Ala Leu Lys Pro Ile Lys Thr Asn Val Phe Pro Ile Glu Glu Ser Lys Lys Ser Glu Leu Ser Ser Leu Thr Asp Lys Ser Lys 660 _ _ _ 670 _ _ _ Asn Thr Pro Asn Ser Ser Gly Gly Gly Asn Tyr Gly Asp Arg Gln Ile Ser Lys Arg Asp Asp Val His His Asp Gly Pro Lys Glu Val Lys Ser 690 695 700 Gly Glu Lys Glu Val Pro Lys Ile Asp Ala Ala Val Lys Thr Glu Asn 705 710 715 720 Glu Phe Thr Ser Asn Arg Asn Asp Ile Glu Gly Lys Glu Lys Ser Lys 725 730 735 Gly Asp His Ser Ser Pro Val His Ser Lys Asp Ile Lys Asn Glu Glu
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NIH290.001C1 SEQLIST.TXT Glu Cys Thr Cys Asn Leu Asp Thr Gln Thr Phe Val Tyr Pro Tyr Lys 420 425 430 Gly Tyr Glu Asp Ile Cys Lys Ser Thr Val Lys Pro Tyr Asp Pro Glu 435 440 445 435 440 Asp Ile Lys Asp Glu Glu Phe Asn Glu Pro Ser Leu Asn Val Asn Pro 455 460 Leu Ser Leu Thr Ser Gln Asp Val Thr Glu Arg Val Ser Ser Val Asp 465 470 475 480 Asp val Leu Ser Ile Lys Glu Asn val Asp Leu Lys Pro Phe Lys Pro 485 490 Lys Gly Gly Thr Gln Ser Ser His Val Asp Gln Val Gly Asm Pro Arg 505 500 Glu Ser Glu Ser Lys Pro Ser Gly Ala Asn Gly Arg Glu Asp Pro Ser 525 520 515 Thr Glu Ser Ser Thr Tyr Asn Asp Gly Val Ile Thr Ser Ser Ser Ser 530 535 Leu Gly Ser Ser Ser Gly Arg Asp Val Ser Ser Ser Pro Val Gly Val
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NIH290.001C1 SEQLIST.TXT Glu Gln Glu Glu Glu Gln Lys Gln Glu Glu Glu Gln Gln Ile Gln Asp Gln Ser Gln Ser Gly Leu Asp Gln Ser Ser Lys Val Gly Val Ala Ser Glu Gln Asn Glu Ile Ser Ser Gly Gln Glu Gln Asn Val Lys Ser Ser Ser Pro Glu Val Val Pro Gln Glu Thr Thr Ser Glu Asn Gly Ser Ser Gln Asp Thr Lys Ile Ser Ser Thr Glu Pro Asn Glu Asn Ser Val Val Asp Arg Ala Thr Asp Ser Met Asn Leu Asp Pro Glu Lys Val His Asn Glu Asn Met Ser Asp Pro Asn Thr Asn Thr Glu Pro_Asp Ala Ser Leu Lys Asp Asp Lys Lys Glu Val Asp Asp Ala Lys Lys Glu Leu Gln Ser Thr Val Ser Arg Ile Glu Ser Asn Glu Gln Asp Val Gln Ser Thr Pro Pro Glu Asp Thr Pro Thr Val Glu Gly Lys Val Gly Asp Lys Ala Glu Met Leu Thr Ser Pro His Ala Thr Asp Asn Ser Glu Ser Glu Ser Gly Leu Asn Pro Thr Asp Asp Ile Lys Thr Thr Asp Gly Val Val Lys Glu Gln Glu Ile Leu Gly Gly Glu Ser Ala Thr Glu Thr Ser Lys Ser Asn Leu Glu Lys Pro Lys Asp Val Glu Pro Ser His Glu Ile Ser Glu Pro Val Leu Ser Gly Thr Thr Gly Lys Glu Glu Ser Glu Leu Leu Lys Ser Lys Ser Ile Glu Thr Lys Gly Glu Thr Asp Pro Arg Ser Asn Asp Gln Glu Asp Ala Thr Asp Asp Val Val Glu Asn Ser Arg Asp Asp Asn Asn Ser Leu Ser Asn Ser Val Asp Asn Gln Ser Asn Val Leu Asn 1170 1175 1180 Arg Glu Asp Pro Ile Ala Ser Glu Thr Glu Val Val Ser Glu Pro Glu Asp Ser Ser Arg Ile Ile Thr Thr Glu Val Pro Ser Thr Thr Val Lys Pro Pro Asp Glu Lys Arg Ser Glu Glu Val Gly Glu Lys Glu Ala Lys Glu Ile Lys Val Glu Pro Val Val Pro Arg Ala Ile Gly Glu Pro Met Glu Asn Ser Val Ser Val Gln Ser Pro Pro Asn Val Glu Asp Val Glu Lys Glu Thr Leu Ile Ser Glu Asn Asn Gly Leu His Asn Asp Thr His Arg Gly Asn Ile Ser Glu Lys Asp Leu Ile Asp Ile His Leu Leu Arg Asn Glu Ala Gly Ser Thr Ile Leu Asp Asp Ser Arg Arg Asn Gly Glu Met Thr Glu Gly Ser Glu Ser Asp Val Gly Glu Leu Gln Glu His Asn Phe Ser Thr Gln Gln Lys Asp Glu Lys Asp Phe Asp Gln Ile Ala Ser 1330 1335 1340 Asp Arg Glu Lys Glu Glu Ile Gln Lys Leu Leu Asn Ile Gly His Glu Glu Asp Glu Asp Val Leu Lys Met Asp Arg Thr Glu Asp Ser Met Ser

Page 10

Asp Gly Val Asn Ser His Leu Tyr Tyr Asn Asn Leu Ser Ser Glu Glu

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Tyr Gly Asn Val Gln Lys Thr Asp Lys Lys Ile Phe Thr Phe Ile Glu
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Lys His Asn Asn Glu Glu Met Phe Asn Asn Asn Tyr Gln Ser Phe Leu
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Lys Asn Asp Met Lys Thr Val Gly Asp Leu Gly Thr Thr His Val Gln

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